

***LineUp With Math™* Alignment**
North Dakota Mathematics Content and Achievement Standards
April 2005

Standard 1: Number and Operation

Students understand and use basic and advanced concepts of number and number systems.

COMPUTATIONAL FLUENCY AND ESTIMATION**Benchmark Expectations**

6.1.13. Use problem solving strategies to solve and verify the results of problems.

***LineUp With Math™* Activities**

--Explore and apply a variety of strategies to optimize the solution of air traffic control conflicts.

Standard 4: Measurement

Students use concepts and tools of measurement to describe and quantify the world.

MEASURABLE ATTRIBUTES, MEASUREMENT SYSTEMS AND UNITS**Benchmark Expectations**

6.4.2. Select an appropriate unit of measure; e.g., What unit do you use to measure a person's height?

***LineUp With Math™* Activities**

--Apply mathematics to solving distance, rate, and time problems for aircraft conflict scenarios.

Standard 5: Algebra, Functions and Patterns

Students use algebraic concepts, functions, patterns, and relationships to solve problems.

RATES OF CHANGE**Benchmark Expectations**

6.5.4. Recognize examples of change over time; e.g., growth of a sixth grader from September to May.

***LineUp With Math™* Activities**

--Identify and resolve distance, rate, time conflicts in air traffic control problems by varying plane speeds or changing plane routes.